

## cholesterol-5,6-oxide hydrolase

Cat. No. EXWM-3996

Lot. No. (See product label)

### Introduction

**Description** The enzyme appears to work equally well with either epoxide as substrate. The product is a competitive inhibitor of the reaction. In vertebrates, five epoxide-hydrolase enzymes have been identified to date: EC 3.3.2.6 (leukotriene-A4 hydrolase), EC 3.3.2.7 (hepoxilin-epoxide hydrolase), EC 3.3.2.9 (microsomal epoxide hydrolase), EC 3.3.2.10 (soluble epoxide hydrolase) and EC 3.3.2.11 (cholesterol 5,6-oxide hydrolase).

**Synonyms** cholesterol-epoxide hydrolase; ChEH

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.3.2.11

**Reaction** (1) 5,6 $\alpha$ -epoxy-5 $\alpha$ -cholestan-3 $\beta$ -ol + H<sub>2</sub>O = 5 $\alpha$ -cholestane-3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -triol; (2) 5,6 $\beta$ -epoxy-5 $\beta$ -cholestan-3 $\beta$ -ol + H<sub>2</sub>O = 5 $\alpha$ -cholestane-3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -triol

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.